INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/35492

A. CLASSIFICATION OF SUBJECT MATTER				
IPC(7) : H04B 1/38, 3/46; H04Q 7/20				
US CL: 375/219,224; 455/73,435.3 According to International Patent Classification (IPC) or to both national classification and IPC				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 375/219,220,224,295,316;455/73,90.1,161.1,168.1,403,412.1,423,426.1,426.2,427,435.2,435.3				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
	Category * Citation of document, with indication, where appropriate, of the relevant passages			Relevant to claim No.
X	US 6,192,224 B1 (GRAYSON et al.) 20 February 2001 (20.02.2001), column 1, lines 20-			1-7, 10-17
A	42, column 1, line 57 through column 2, line 49. US 6,400,946 B1 (VAZVAN et al.) 04 June 2002 (04.06.2002), claim 1.			1-19
Α	US 6,453,155 B1 (HILL et al.) 17 September 2002 (17.09.2002), abstract, column 7, lines 11-65, Fig. 6.			1-19
	imes 11-05, 11g. o.			
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Further	r documents are listed in the continuation of Box C.		See patent family annex.	
* S	pecial categories of cited documents:	"T"	later document published after the int date and not in conflict with the appli	emational filing date or priority
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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y"	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	
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*P" document published prior to the international filing date but later than the priority date claimed		"&"		
Date of the actual completion of the international search		Date of	Date of mailing of the international 22h APR 2004	
04 April 2004 (04.04.2004)		Autho	rized officer	
Name and mailing address of the ISA/US				. 4
Mail Stop PCT, Attn: ISA/US Commissioner for Patents		Chieh Fan Chieh Fan Telephone No. (703) 305-4750		
P.O. Box 1450 Alexandria, Virginia 22313-1450		Telen	hone No. (703) 305-4759	11
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Tamper (No. (1996) - 1996)				

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